

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/22917

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00, 38/40, 49/00; C07K 14/00
US CL : 514/2, 12; 530/350, 394, 395, 400; 424/9.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/2, 12; 530/350, 394, 395, 400; 424/9.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,198,419 A (ANDO et al) 30 March 1993 (30.03.1993), column 1, line 26-column 2, line 2; column 4, lines 47-49; Fig. 1.	1, 2, 5-10, 13, 14 ----- 11 and 12
X --- X	US 5,576,299 A (ANDO et al) 19 November 1996 (19.11.1996), column 3, line 20-36; column 5, lines 36-67.	
X --- X	KOYAMA, I. et al, Alkaline Phosphatases Reduce Toxicity of Lipopolysaccharides In Vivo and In Vitro through Dephosphorylation, Clinical Biochemistry September 2002, Vol. 35, No. 6, pages 455-461, see pages 456 and 458.	1-3 and 5
A --- A	GRANHOLM, T. et al., Constitutive Production of Lymphocyte Activating Factors by Normal Tissues in the Adult Rat, J. Cell. Biochem. 1991, Vol. 46, No. 2, pages 143-151, see whole document.	1-5
A --- A	VIRELIZIER, J. L. et al., Role of Interferon in the Pathogenesis of Viral Diseases of Mice as demonstrated by the Use of Anti-Interferon Serum. V. Protective Role in Mouse Hepatitis Virus Type 3 infection of Susceptible and Resistant Strains of Mice. J. Immunol. May 1978, Vol. 120, No. 5, pages 1616-1619, see whole document.	1-14



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

25 May 2005 (25.05.2005)

Date of mailing of the international search report

09 JUN 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Chih-Min Kan

Telephone No. (571) 272-1600

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/22917

Continuation of B. FIELDS SEARCHED Item 3:

EAST search on USPAT, USPGPUB, DERWENT, JPO, EPO; STN search on MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA. Search terms: HAFX, host defense factor, pathogen, bacteri?, fung?, mycoplasm or rickettsial, parasite, anthrax, HIV, hepatitis, treat?, smallpox, plague, botulism, fever, respiratory syndrome, trauma, sepsis hemorrhage, stroke, burns, wounds